

Figure 1

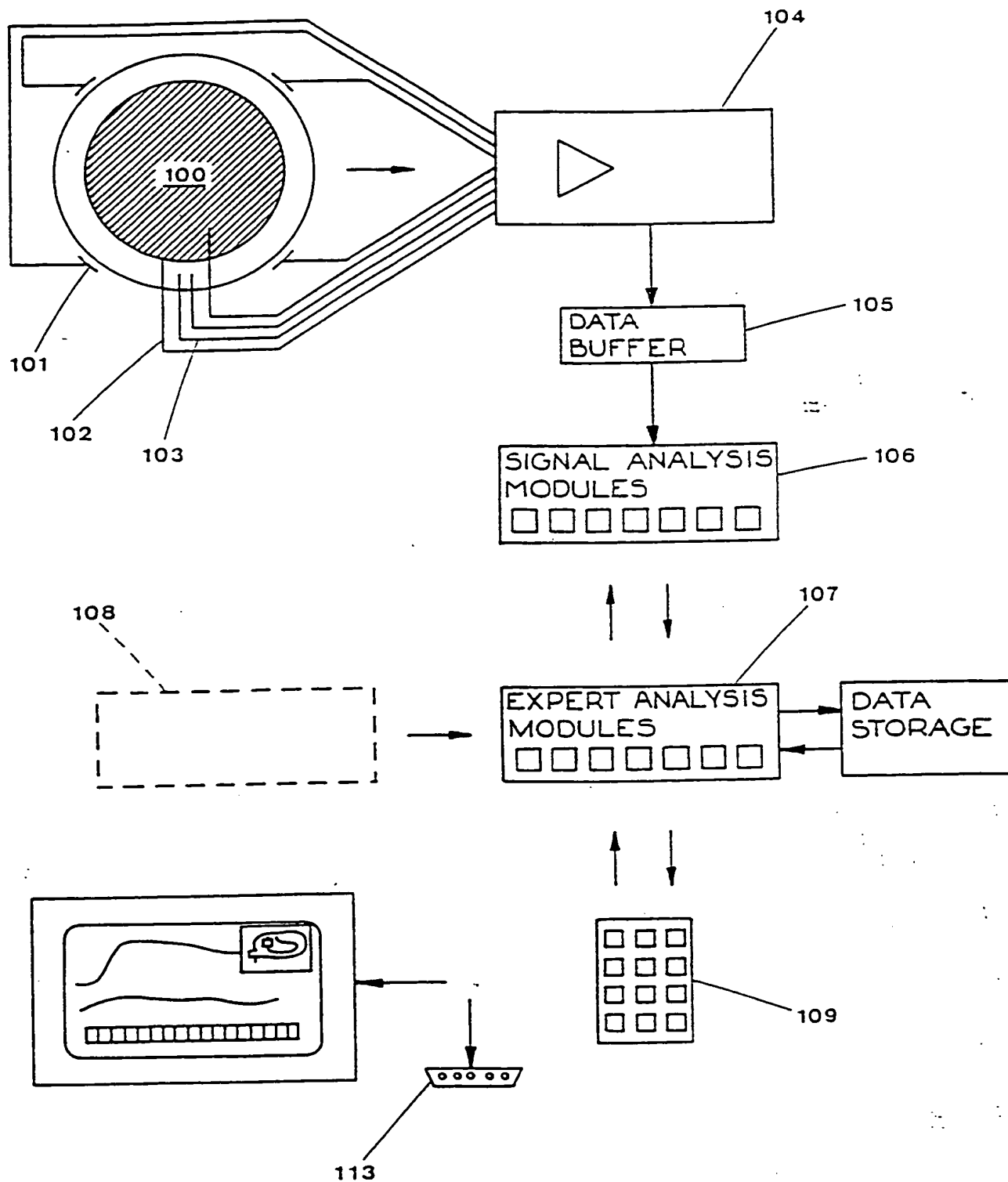


Figure 2

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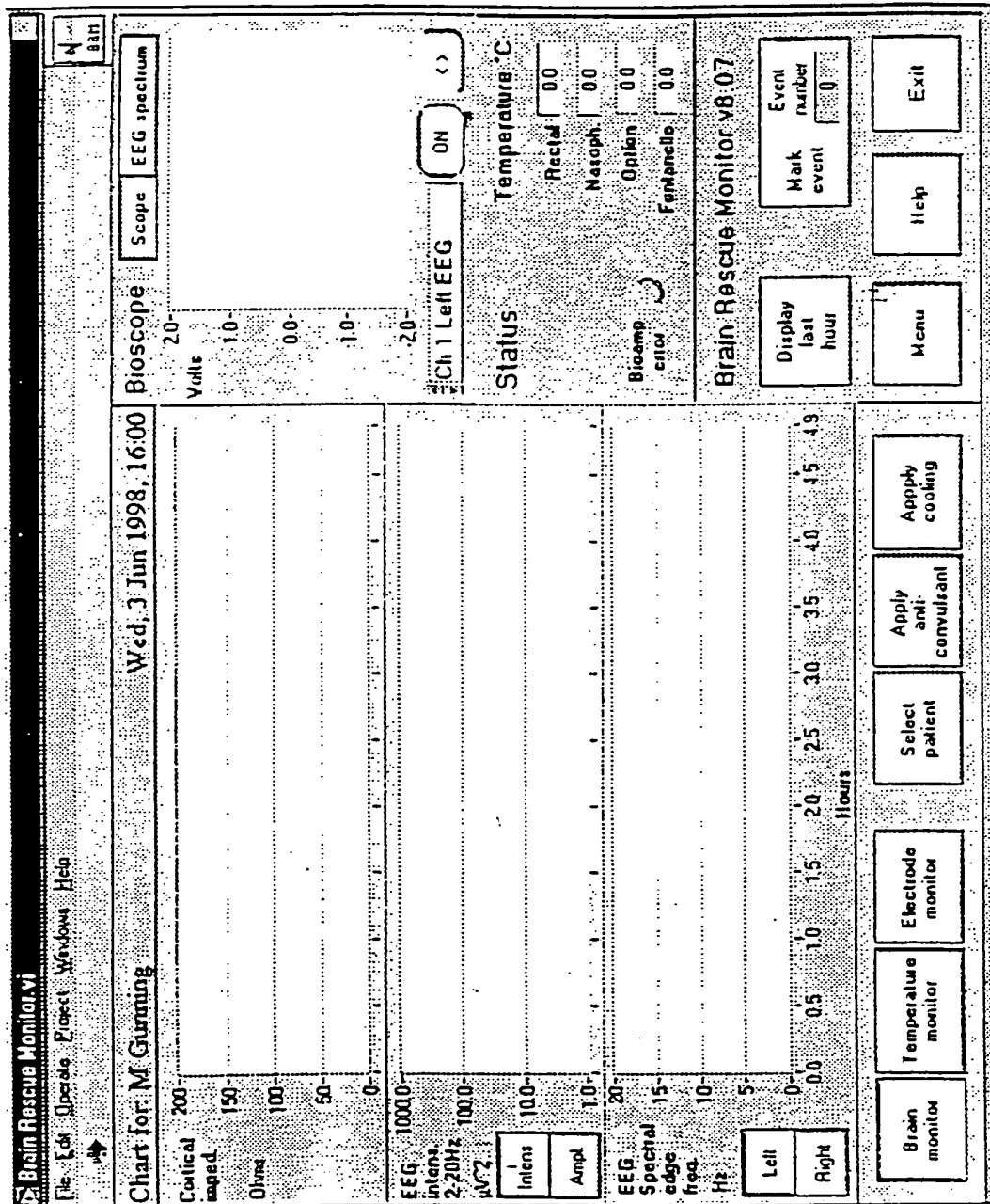


Figure 3

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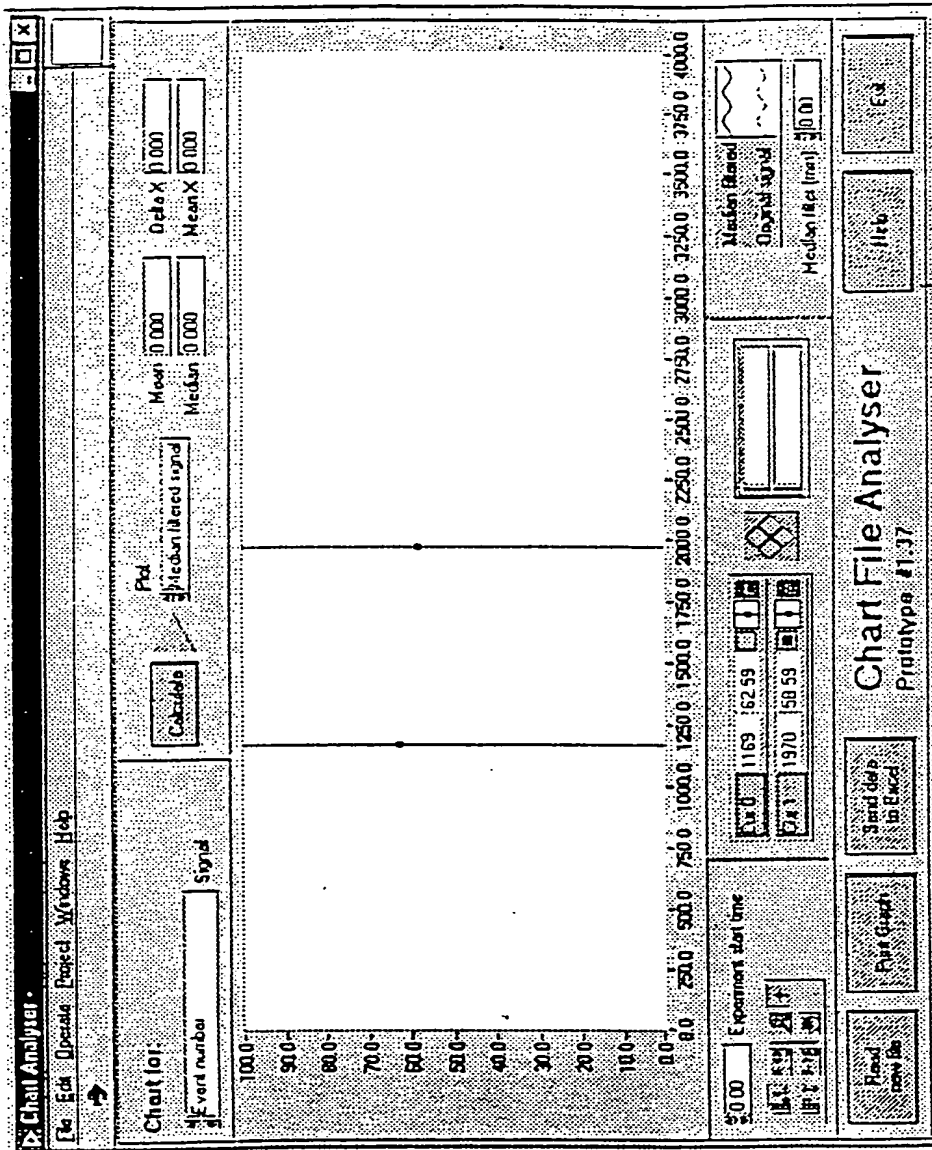


Figure 4

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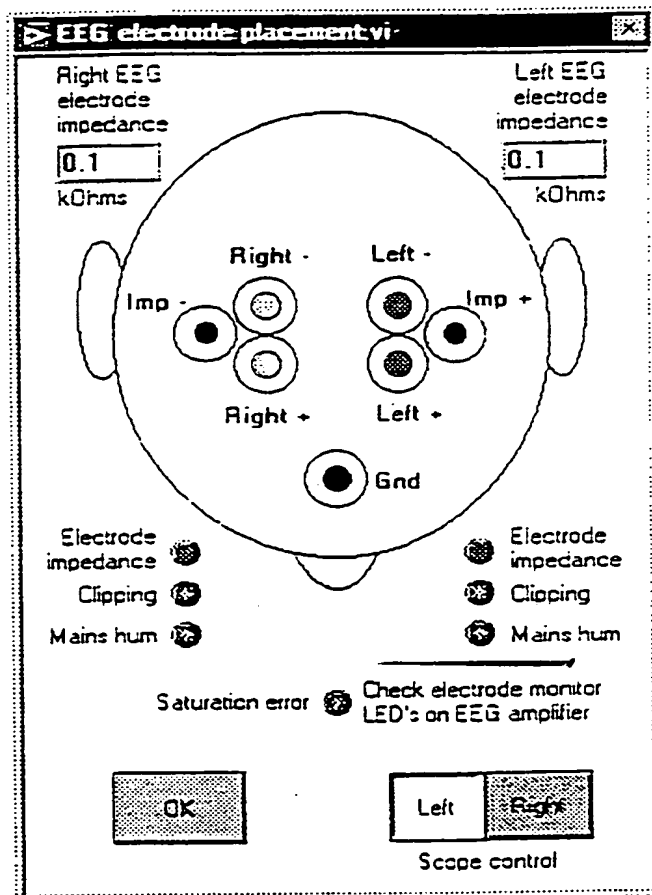
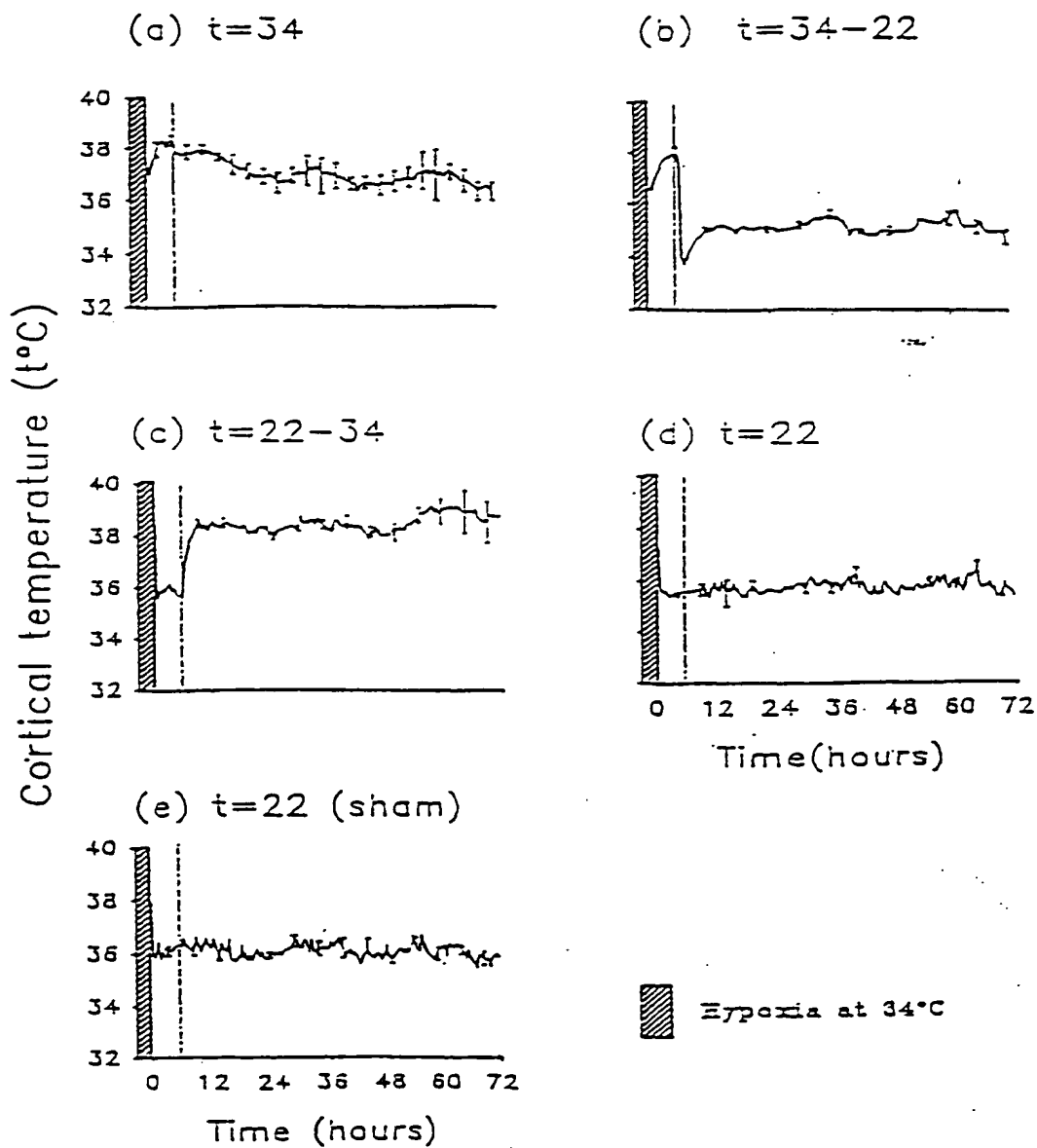


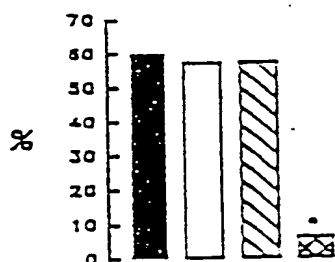
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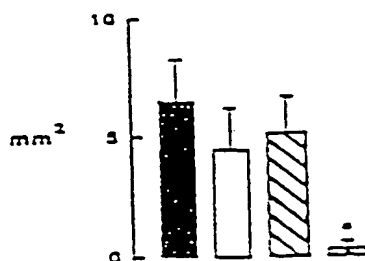
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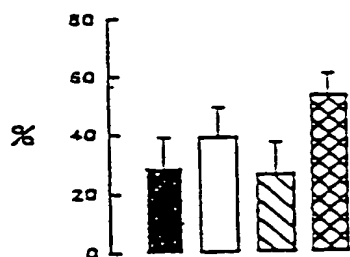
(a) Infarction rate



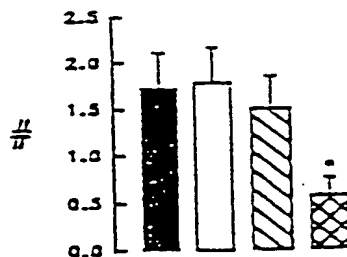
(b) Area of cortical infarction



(c) Surviving hippocampal neurons



(d) Striatal neuronal loss score



(e) Area of cortical infarction 3 weeks after hypoxia

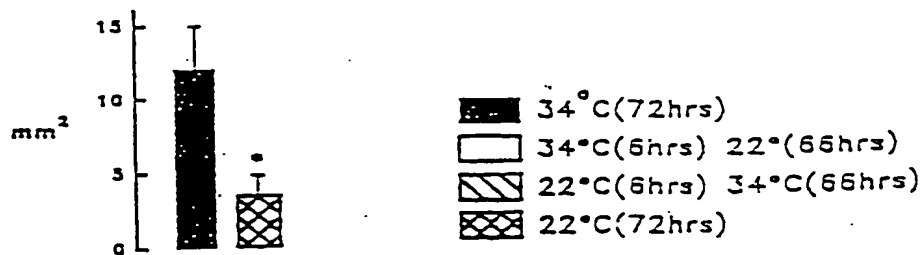
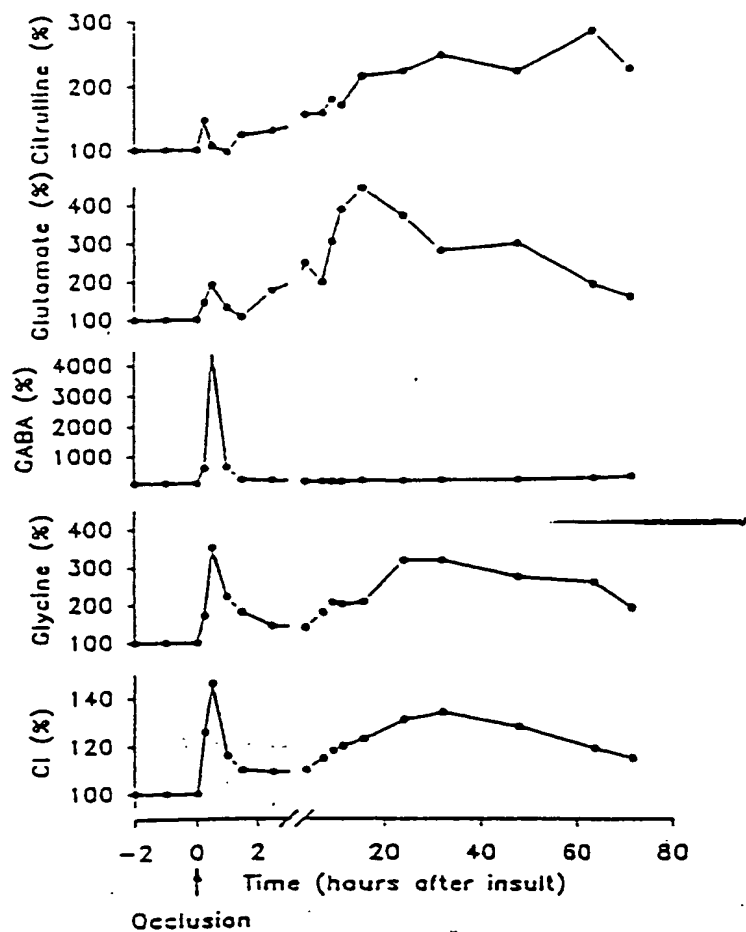


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**Figure 8**

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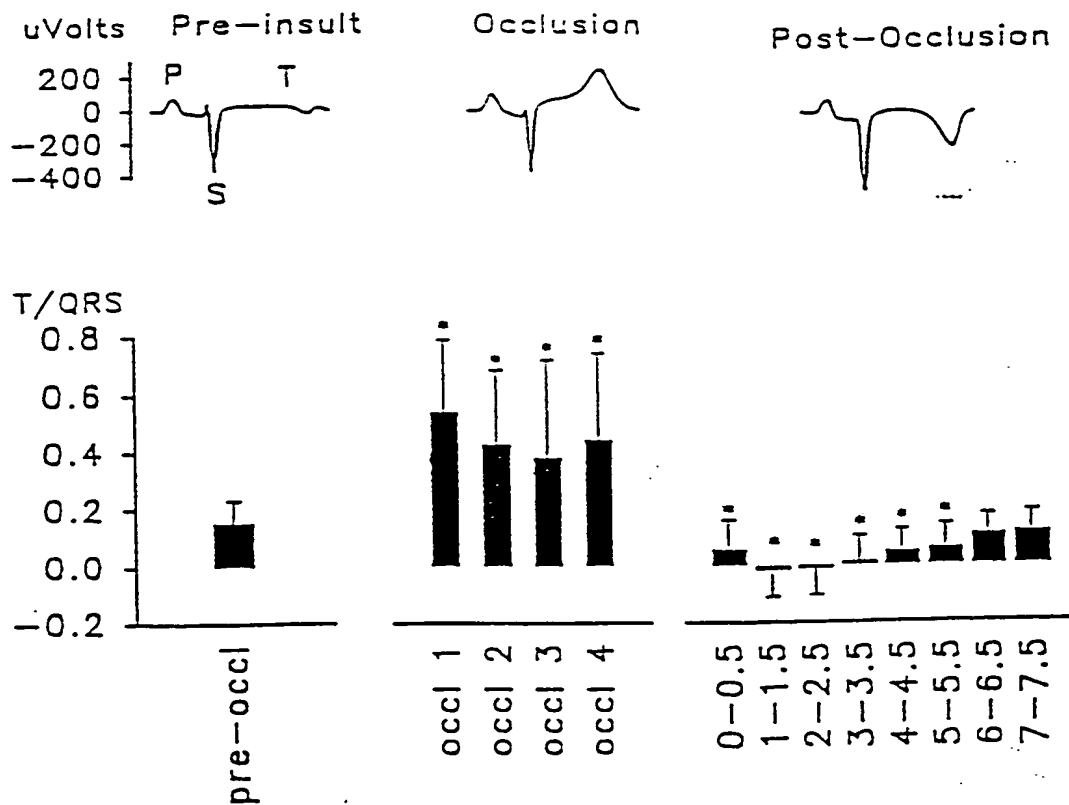
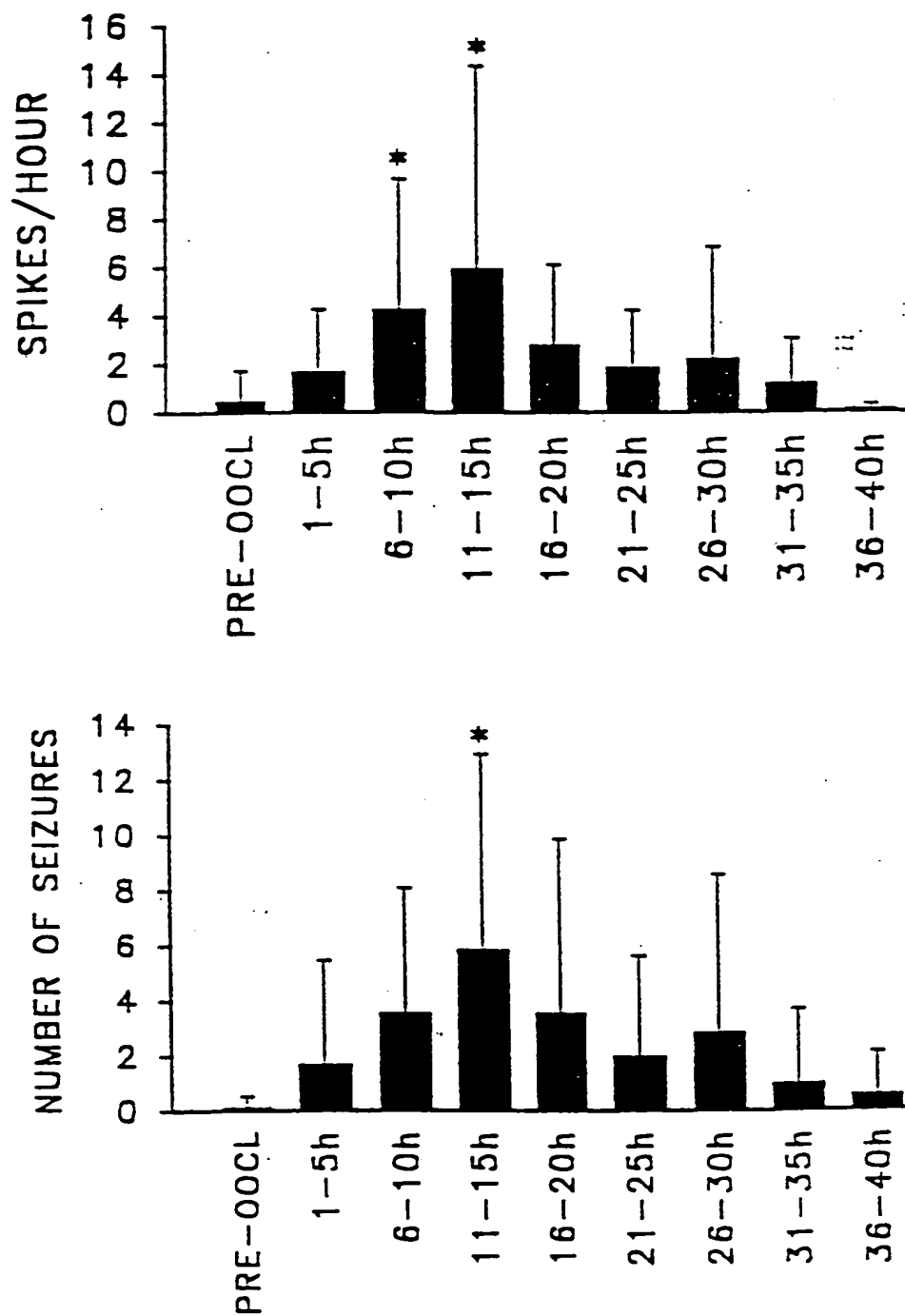


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**Figur 10**

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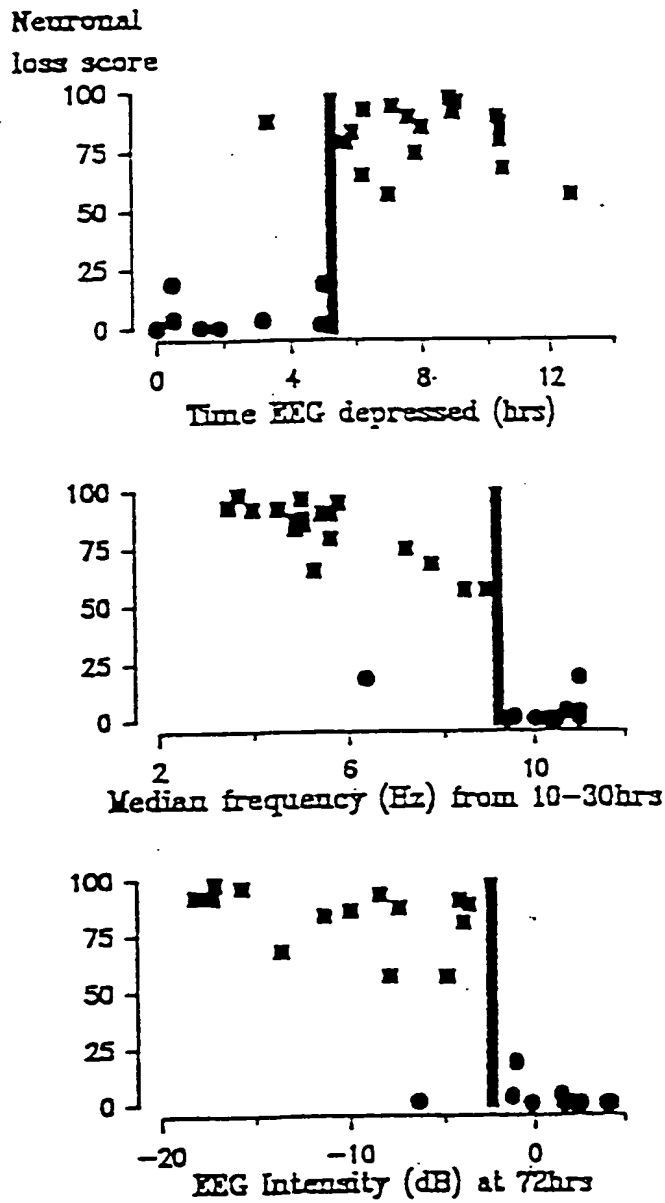


Figure 11

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Magnitude of drop in blood pressure, and levels of lactate and glucose versus neural outcome. (r = correlation coefficient; p = significance).

	r	p
CA3 neuronal loss vs % blood pressure drop	0.876	p=0.02
CA1/2 neuronal loss vs % blood pressure drop	0.922	p=0.01
CA3 neuronal loss vs lactate 10 min after insult.	0.035	NS
CA3 neuronal loss vs lactate 1 hr after insult.	-0.066	NS
CA3 neuronal loss vs glucose - 10 min insult	0.512	NS

Correlations between total neuronal loss score and measured changes during the 4th umbilical cord occlusion.

	r	p
HR (% of baseline)	0.28	0.54
MAP (% of baseline)	0.867	0.01
T/QRS ratio of ECG	0.75	0.03
PpO ₂ (kPa)	0.5	0.26
pH	-0.71	0.08
Lactate (mM/L)	0.49	0.26
Glucose (mM/L)	0.13	0.78
EEG depression (min)	0.78	0.02
No. of seizures	0.95	<0.01

Figure 12

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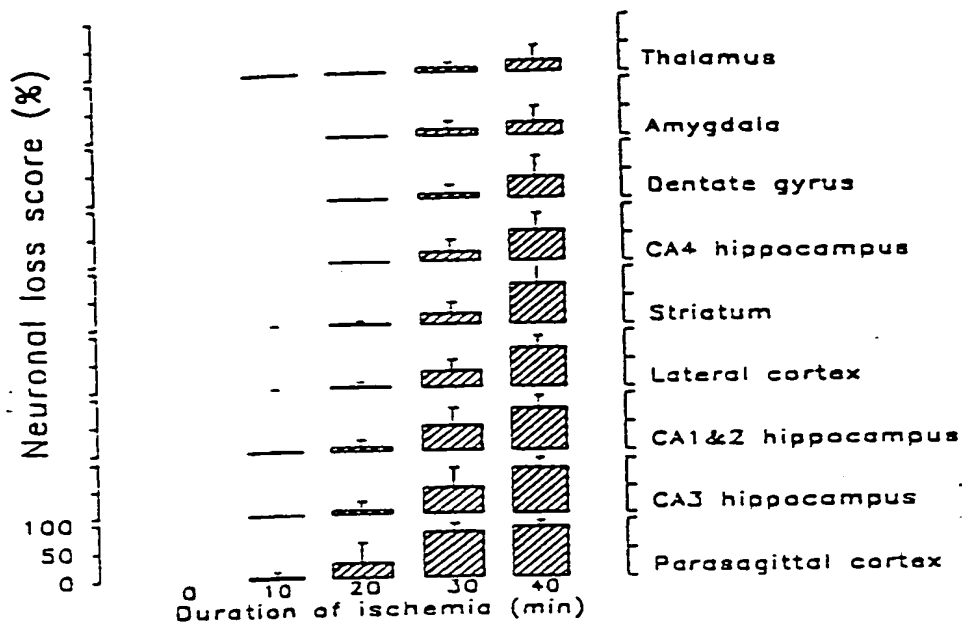


Figure 13

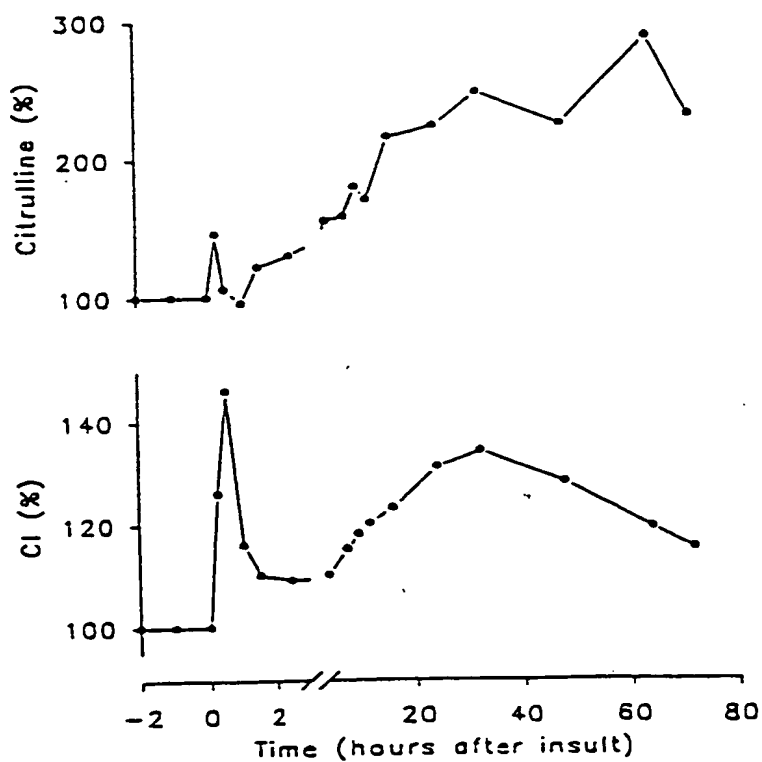
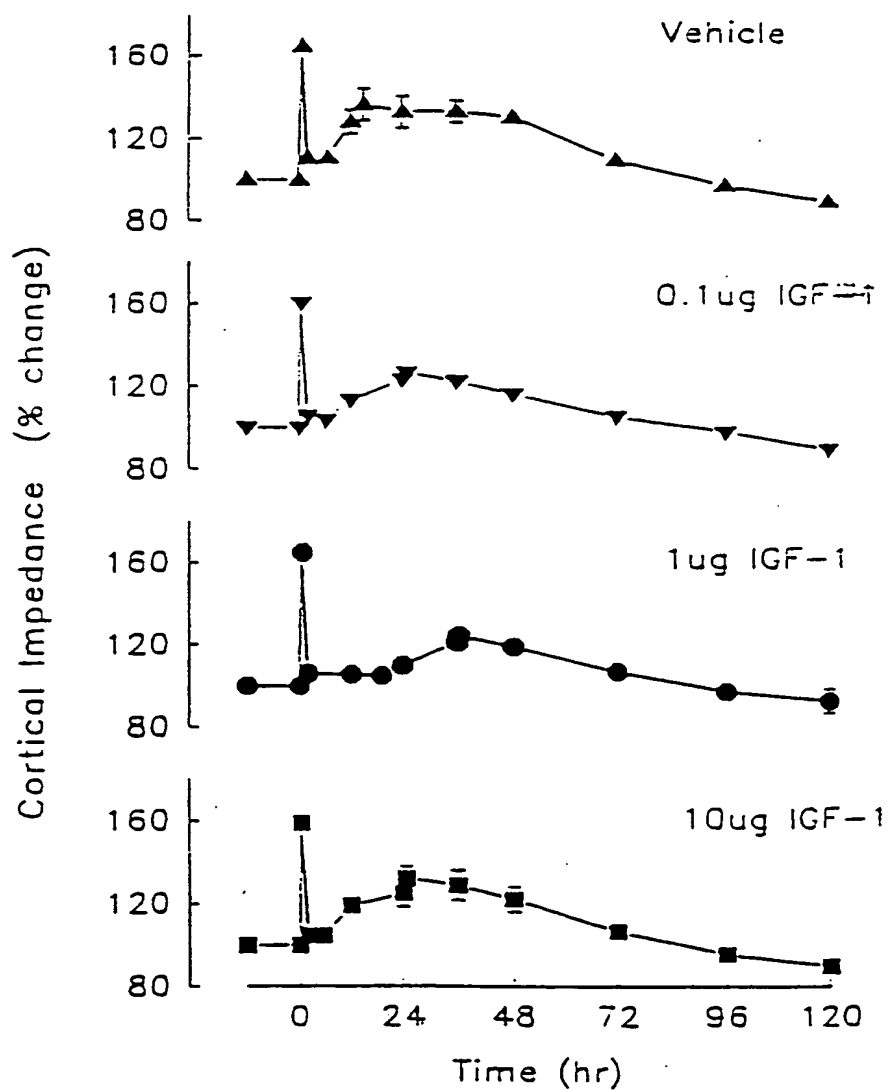
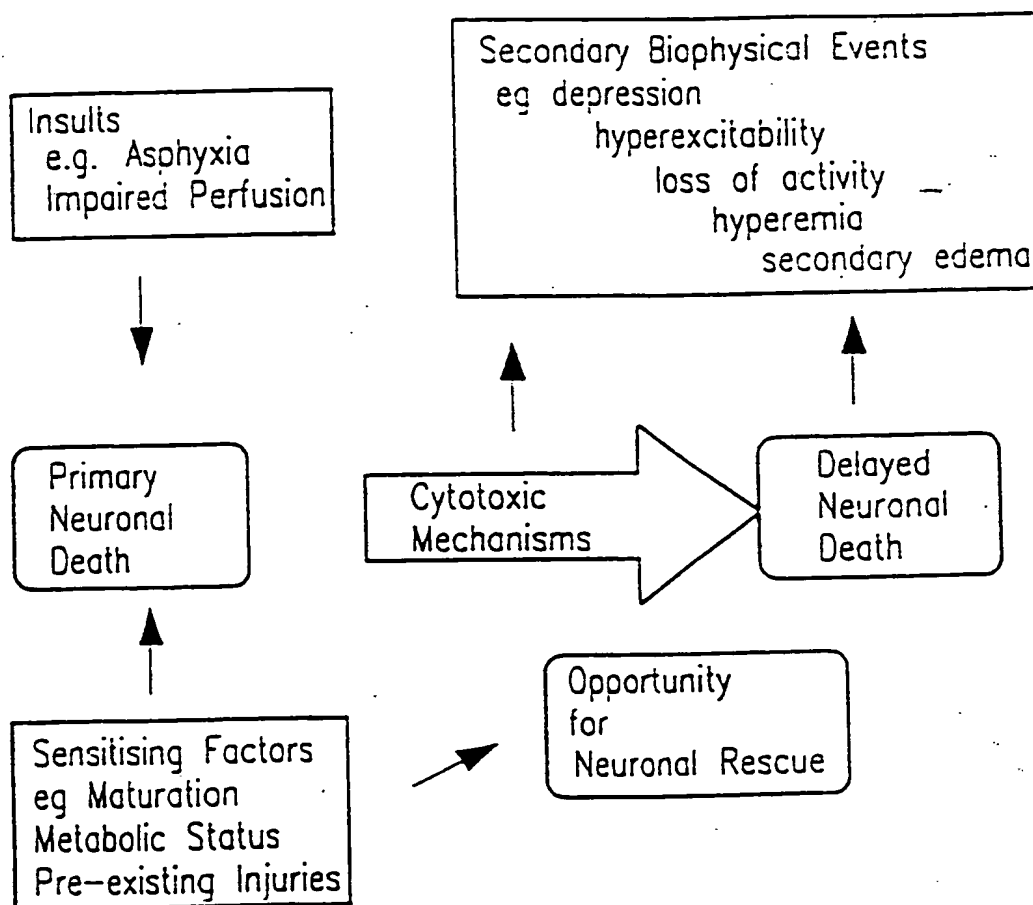


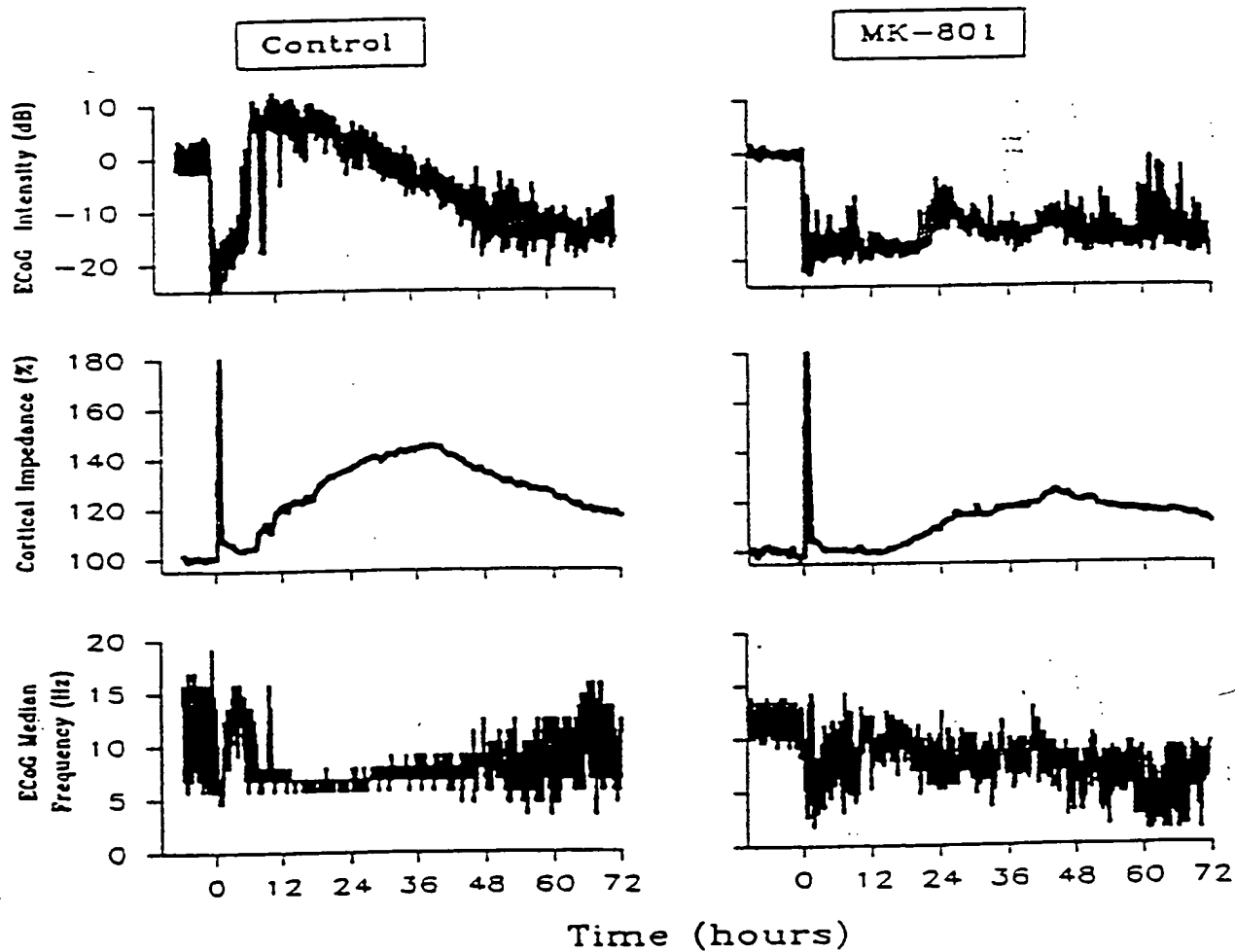
Figure 14

**Figure 15**

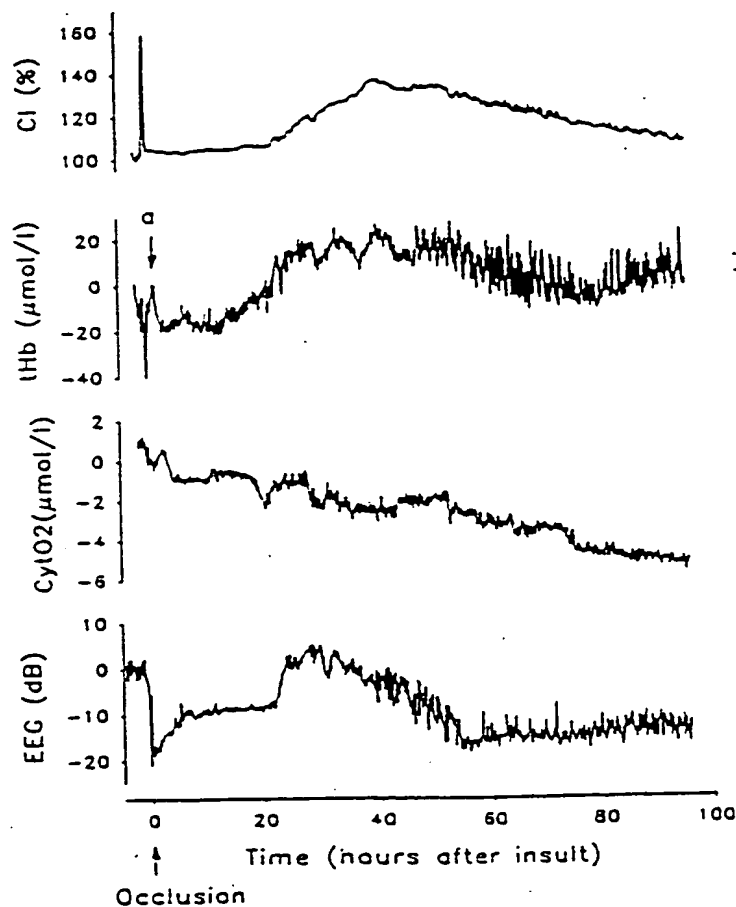
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**Figure 16**

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**Figure 17**

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A	Hypoperfusion at +10 min	Hyperperfusion at +24 h
Cortical Neuronal Loss (%)	$r=0.65$ $p<0.001$ $\alpha=-0.70$	$r=0.67$ $p=0.007$ $\alpha=-0.50$

Figure 19

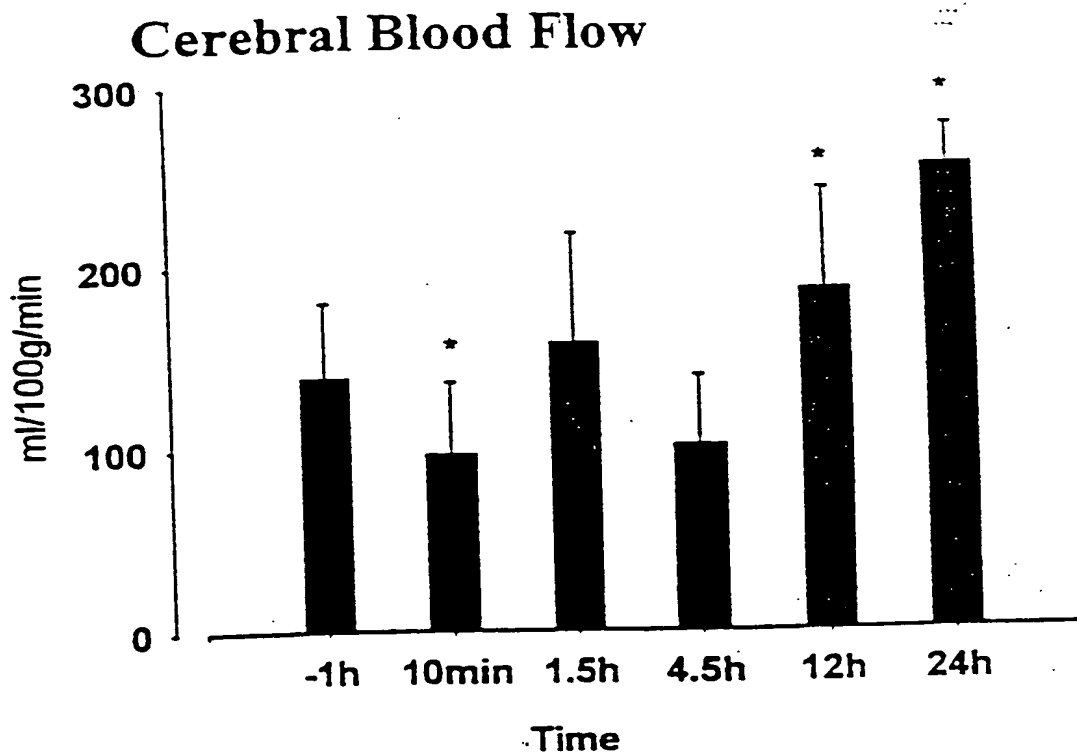
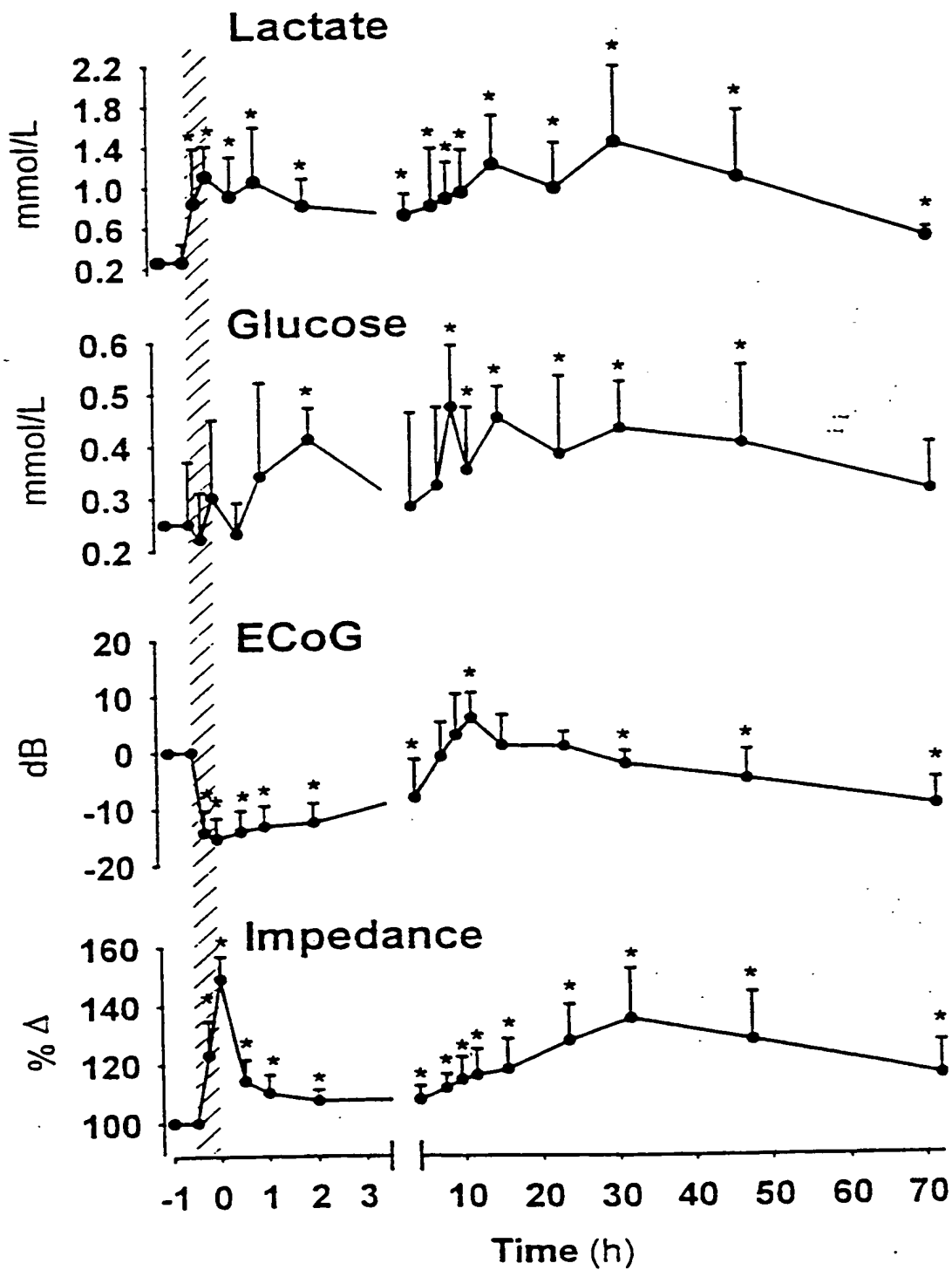


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**Figure 21**